

## SEAMLESS DATA TRANSFER USER MANUAL



### Specification

Power input	: 120VAC to 260VAC 50Hz
RLT Flow Meter Interface	: RS485, Shielded Twisted Pair
Modem Frequency	: 900 Mhz/1800Mhz
Modem GPRS Class	: Multi Class 12
Modem TX Power	: 2W @ GSM 1900, 1W @DCS 1800
Operating Temperature	: -30DegC to 70DegC
Storage Temperature	: -40DegC to 85DegC
Dimension	: Panel Mounting L186xH92xD190



### 1.0 Normal Menu

S No	Description	Function
1	SET Key	Nil
2	INC Key	Nil
3	DEC Key	Nil

### LCD Display

S No	Display	Function	Description
1	S90 ID00001 1m	Actual Value Display	<b>S90</b> – Last Connection GSM Signal Strength <b>ID00001</b> – Instrument Serial No/ID for data Export to WEB 1m – Elapsed Minutes Transmission Interval
2	TOT-0000000000m3	- Do -	Totalizer value read from Flow meter RS485 Interface

### LED INDICATION

S No	Display	Function	Description
1	TX	RS485	SDTS RS485 Transmission Flow Meter RS485 Reception
2	RX	RS485	SDTS RS485 Reception Flow Meter RS485 Transmission
3	Network	GSM	GSM Network Status Power UP During Transmission On time=off time = No Network On time<<off time = Network OK



## 2.0 Setting Menu

While Pressing SET key Power up Instrument, Instrument Enters into Setting Menu

S No	Description	Function
1	SET Key	Shift Next Digit, Store Setting, Configure Modem
2	INC Key	Value Increment
3	DEC Key	Value Decrement

## LCD Display

S No	Display	Function	Description
1	00 APN	Access Point Name	00 - Airtel 01 – IDEA 02 – Reliance 1 03 – Reliance 2 04 – Tata Docomo 05 – VODAPHONE 06 – BSNL 07 – BSNL South XX – Airtel
2	00001 ID	Inst Serial Number	00001 to 99999, Server Export ID
3	0001 MIN	Data Upload Interval	0001 to 9999 Minutes
4	11111111..	Display Check	111... to 999.... Auto scroll
5	Modem con	GSM Modem Config	Modem Auto test NO SIM – Check SIM Holder NO Network – Activate SIM for GPRS connection.



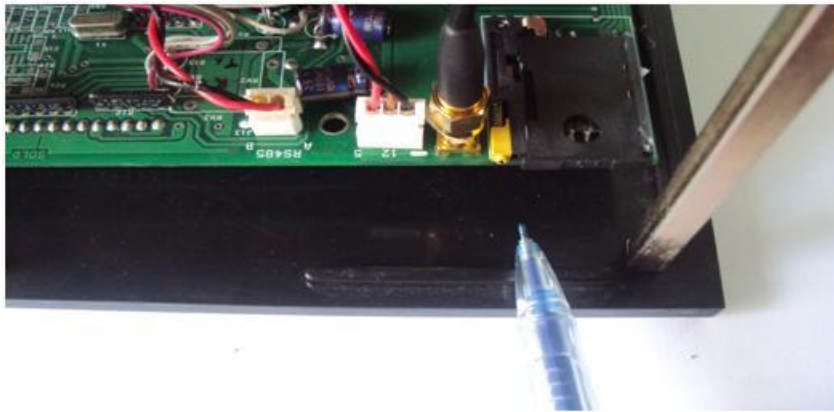
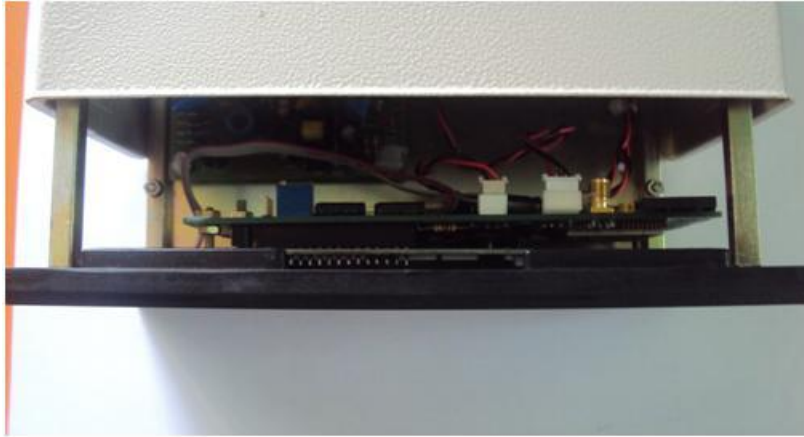
### 3. FAQ

S No	Issue	Solutions
1	Totalizer = 0	<ul style="list-style-type: none"> <li>a. Check Flow meter Totalizer</li> <li>b. Check TX LED Function</li> <li>c. Check RX LED Function</li> <li>d. Check MODBUS Setting in Flow meter MODBUS ID = 1 MODBUS RTU Baud rate=9600 Data bits=8 Stop bit = 1 No Parity</li> <li>e. Check continuity RS485 connection wiring from Flowmeter</li> </ul>
2	NO SIM	Check SIM Position
3	NO Network	Activate SIM. Check Browsing on any mobile Phone with this SIM
4	ERROR during server connect.	Enable SIM for 2G data connection
5	Server connect OK, But No data log in WEB	Check 2G data connection balance and Recharge.
6	After IP address Display, No SENDOK message. Instead ERROR Display.	Check 2G data connection balance and Recharge.
7	No IP address Display.	Select correct APN for the service Provider. Check Browsing on any mobile Phone with this SIM

### Installing New SIM

Step 1: Remove Instrument Top Cover





Step 2  
Locate SIM  
Holder at the  
right Side of  
the  
Instrument

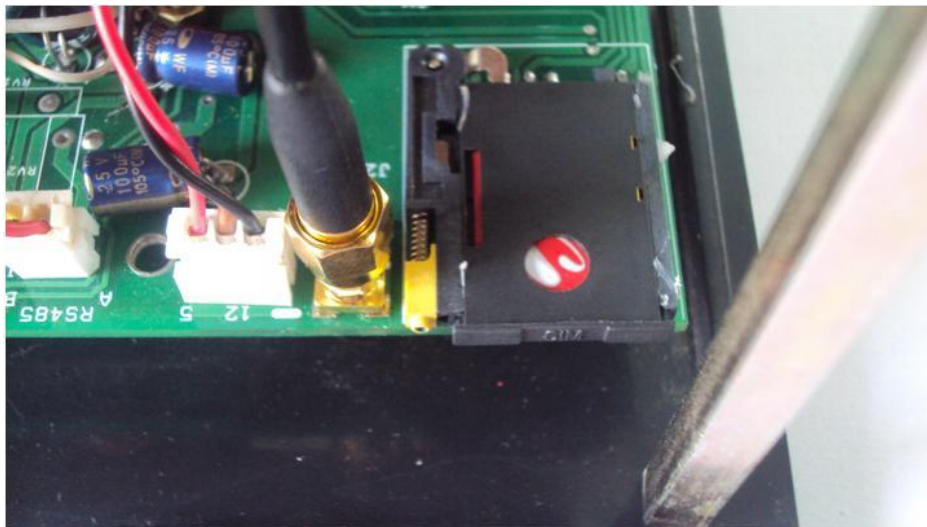
Press Eject Knob With a Nail, Don't use Screw Driver.



Place SIM



Insert in Holder

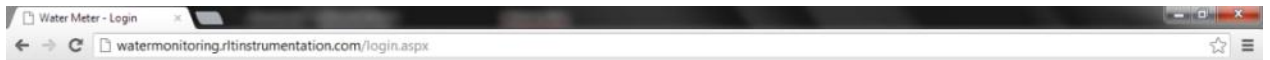


**WATER METER - ADDING USER IN WEB**

[www.rltinstrumentation.com](http://www.rltinstrumentation.com)



RLT Instrumentation Pvt. Ltd  
(Unit of RLT Group)



Login to Water Monitoring System

Login

admin

Password

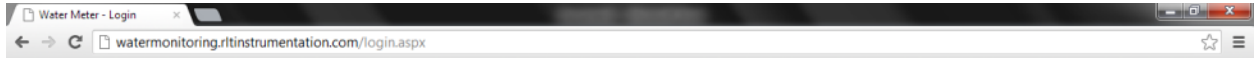
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Login



Login : admin  
Password : adisys





[Add Login](#) [Edit](#) [Delete](#) [Logout](#)

Login	<input type="text"/>
Password	<input type="password"/>
Company Name	<input type="text"/>
Serial No	<input type="text"/>



- Login – Type required login ID
- Password – Type required password
- Customer Name – Display in the TOP of user page and in excel report
- Serial No – First 2 Digit of 5 Digit serial No/ID in the field instrument (SDTS-1)

### **ADDING INSTRUMENTS IN USER**



Login to Water Monitoring System

Login

<input type="text" value="00"/>
<input type="password" value="*****"/>





log in with the user name and password

The screenshot shows the RLT Instrumentation Water Monitoring System interface. At the top, there is a navigation bar with "RLT Instrumentation" and "Water Monitoring System". Below this, there is a "Select Tag" dropdown menu set to "DEMO1", and buttons for "Date Search", "Settings", and "Logout". The main content area displays a window titled "User - Adisys testing Tag - DEMO1" with a timestamp of "10/15/2012 4:01:04 PM". Inside this window is a table with the following data:

ID	DateTime	WM_Value	Battery	Signal
00001	10/15/2012 12:02:18 AM	0000000000000011 m3	12 %	84 %
00001	10/15/2012 12:04:43 AM	0000000000000011 m3	12 %	81 %
00001	10/15/2012 12:07:01 AM	0000000000000011 m3	12 %	81 %
00001	10/15/2012 12:09:27 AM	0000000000000011 m3	10 %	84 %
00001	10/15/2012 12:11:46 AM	0000000000000011 m3	12 %	84 %
00001	10/15/2012 12:14:04 AM	0000000000000011 m3	12 %	81 %
00001	10/15/2012 12:16:30 AM	0000000000000011 m3	11 %	81 %
00001	10/15/2012 12:18:48 AM	0000000000000011 m3	12 %	84 %
00001	10/15/2012 12:21:13 AM	0000000000000011 m3	12 %	84 %
00001	10/15/2012 12:23:32 AM	0000000000000011 m3	12 %	81 %

Below the table are pagination links: "1 2 3 4 5 6 7 8 9 10 ...".

Enter in Settings menu

The screenshot shows the "Settings" page of the RLT Instrumentation Water Monitoring System. The page title is "Today's Record". Below this, there is a section titled "Add Tag Name" with a form containing "Instrument Serial No(eg: 12) -" and "Enter Tag Name -" fields, along with an "ADD" button. Below the form is a table listing existing tags:

Serial No	Tag Name	Remove
00001	DEMO1	Delete
00002	DEMO2	Delete
00003	DEMO3	Delete
00010	STDS485CH01	Delete
00011	STDS485CH02	Delete
00012	STDS485CH03	Delete
00013	STDS485CH04	Delete
00014	STDS485CH05	Delete
00015	STDS485CH06	Delete
00016	STDS485CH07	Delete

Below the table are pagination links: "1 2 3".



Instrument Serial No: Enter Last 3 digit of the Field Instrument Serial no/ID (SDTS-1)  
Enter Tag Name: Type in required Name for the field Instrument (SDTS-1)

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Head Office



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